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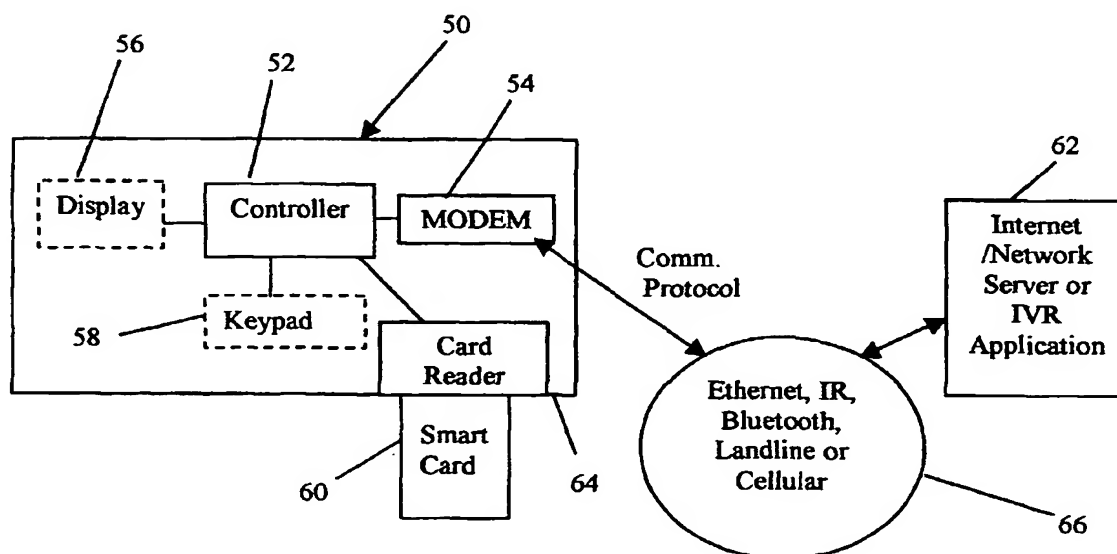
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(54) Title: SMART CARD NETWORK INTERFACE DEVICE



(57) Abstract: A securely identifiable network device is provided. The device may be directly hooked to a network or Internet via a phone or other communication interfaces. The device includes a smart card reader and a communications interface, such as a MODEM, RS-232, infra-red interface, RF, tone, or an Ethernet interface, and a minimal device controller. The combination of these components allows for generating a fully authenticated access to a networked data server (e.g. mail, SMS, phone switch), for personalizing the access point behavior, and for notifying the data provider about the current location of the cardholder. This allows for re-routing the required data messages to the current location. The service data messages are typically SMS, MMS, e-mail and phone calls.

WO 2004/036492 A3

WO 2004/036492 A3



*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

# INTERNATIONAL SEARCH REPORT

onal Application No

PCT/IL 03/00843

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04M1/66 H04M3/38 G07F7/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04M G06K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 434 405 B1 (SASHIHARA TOSHIYUKI) 13 August 2002 (2002-08-13)	1,3,6,9, 14,15, 25,26,28
Y	column 4, line 1 - column 9, line 50; figures 1-12	2,4,5, 11,16, 17,20, 23,24, 27,39-42
Y	----- WO 98/57474 A (GEMPLUS CARD INT) 17 December 1998 (1998-12-17)  page 15, line 10 - page 23, line 21; figures 1,2  ----- -/--	2,4,5, 11,16, 17,20, 23,24, 27,39-42

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/25277 A (BELL CANADA) 4 May 2000 (2000-05-04)  page 9, line 20 - page 20, line 31; figures 1-3 -----	1-4,7,8, 11,14, 18,19
X	WO 01/61973 A (ERICSSON TELEFON AB L M) 23 August 2001 (2001-08-23)  page 4, line 3 - page 12, line 2; figures 1-5 -----	1,3,6,9, 12-15, 26,28
X	FR 2 775 403 A (SCHLUMBERGER IND SA) 27 August 1999 (1999-08-27) the whole document -----	26-28, 39-42
X	US 6 247 644 B1 (HORNE SAMUEL NORMAN ET AL) 19 June 2001 (2001-06-19) column 4, line 14 - column 6, line 55; figure 1 -----	1,3,10, 12-15
E	WO 2004/001658 A (BEAR ALON ; SCI TEL LTD (IL); ZERNIK DROR (IL)) 31 December 2003 (2003-12-31) the whole document -----	1-4, 9-11,20, 21

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IL 03/00843

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  
1-28, 39-42

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-28,39-42

A method and a device including a smart card reader and a communication network interface to provide a secure access to a network data server for an electronic mail application in particular

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2. claims: 29-38,44,45

A method for personalizing a telephone set connected to a telephone line by connecting a device including a secure information module for configuring the telephone and providing a list of applications

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3. claim: 43

A method for rerouting network data services according to the current location of a smart card holder

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

Initial Application No

PCT/IL 03/00843

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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